



## FEET FIRST FOOT REST

### CLAIMS

1. A footrest assembly for a wheelchair, having a seat and side frames for mounting the footrest assembly to selectively permit forward and rearward movement of the footrest assembly.
2. A footrest assembly mounted to a wheelchair with a seat and side frames that while removable, is considered permanently mounted so as to be available for immediate use and further to reduce the chance of loss or misplacement common with existing footrest assemblies.
3. A footrest assembly, while primarily intended for retrofit to existing wheelchairs with a seat and side frames, is also intended for installation on new wheelchairs having a seat and side frames.
4. That clamp inner (3) and clamp outer (7), are fastened to the front and rear wheelchair vertical side frame posts, each with two hex socket cap screws (8). Clamp inner (3), must be on the inside of the wheelchair with the slot facing to the middle of the wheelchair. Fig. 1.

5. That the outer rail (2), with the countersunk holes facing to the inside of the wheelchair, and the lock notches facing to the front of the wheelchair, is fastened to clamp inner (3) with countersunk hex socket screws (4), flat washer (5) and nut (6). Fig. 1.
6. That the footrest assembly comprises footrest (10), attached to footrest arm (9) with two hex socket cap screws (11). Footrest arm (9) is attached to footrest carriage (12) with hex socket shoulder screw (14). Footrest arm downward rotation is prevented by Phillips head screw (13). Fig. 2.
7. That the footrest assembly, slides over outer rail (2) and is prevented from sliding too far to the front or rear by Phillips head screws (13). Fig. 3.
8. That when the footrest assembly is fully extended to the front of the wheelchair, the carriage (12) drops and is locked into the lock notch in outer rail (2). Fig. 4.
9. A footrest assembly for a wheelchair having side frames and a seat, said assembly comprising an outer rail, a footrest arm, a footrest and parts for mounting the outer rail and the footrest arm to the wheelchair side frame. The mounting provides a means to extend the footrest assembly in front of the wheelchair when needed, and a means to retract the footrest assembly when not needed. Fig 4.

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### CLAIMS CONT'D.

10. That when the footrest assembly is fully extended to the front of the wheelchair, the carriage (12) drops and is locked into the lock notch in outer rail (2). That the footrest assembly cannot be retracted until it is moved from the lock notch. To retract the footrest assembly it must be lifted to clear the lock notch. Fig 5.